

CALIFORNIA EARTHQUAKE EARLY WARNING SYSTEM

Fact Sheet

What is it?

Earthquake Early Warning (EEW) detects an earthquake that's already started. When an earthquake begins, ground motion sensors detect and gather information rapidly to allow the system to estimate the potential size and location of the earthquake. The system will then send out an alert if the earthquake is potentially harmful, letting you know that shaking is about to arrive at your general location. The alert will be called a ShakeAlert.

The system could give you **up to ten seconds or more** of warning so that you can protect yourself before you feel shaking. If you get an alert you should act quickly to protect yourself. Do not wait to feel the shaking.

Frequently Asked Questions

How will I receive an alert?

Initially, the Wireless Emergency Alert (WEA) system will deliver the alerts. This system is already enabled on most cell phones for weather emergencies and AMBER Alerts. Warnings will also come through the MyShake mobile application, along with information about previous earthquakes and tips for preparedness.

Will I always receive an alert before shaking arrives at my location?

No. If you're too close to the center of the earthquake, an alert will not arrive before shaking begins because time is needed to detect that earthquake and distribute the alert.



What to do when an alert is received or shaking is felt:

DROP where you are, onto your hands and knees.

COVER your head and neck with one arm and hand.

- If a sturdy table or desk is nearby, crawl underneath it for shelter
- If no shelter is nearby, crawl next to an interior wall (away from windows)
- Stay on your knees; bend over to protect vital organs

HOLD ON until shaking stops

More ways to protect yourself in a variety of situations:

[EarthquakeCountry.org/step5](https://www.earthquakecountry.org/step5)



By the way

- This is not earthquake prediction.
- People may receive an alert before, during, or after shaking arrives at their locations.
- In rare circumstances, people may receive an alert when there was no earthquake.
- The system will improve over time.



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES



For more information please visit
www.earthquake.ca.gov

OES Quarterly Report



San Bernardino County Fire,
Office of Emergency Services

2019 Thanksgiving Blizzard San Bernardino Mountains

Contact: David Davis

It was not supposed to be a big or necessarily strong storm, according to the National Weather Service. They in fact walked back predictions of heavy rain or snow. Then Mother Nature reminded us that she makes the decisions. The daytime storm started out hard, snowing in all the surrounding mountains, trapping most people there for multiple days. The County Emergency Operations Center (EOC) activated and the Fire Department went into high gear with extreme call loads for assistance. The day went on with power failures, trapped tourists, and roads being closed. Even the Mountain Hospital



needed to be evacuated.

All agencies responded quickly and in strong coordination to battle the storms. Caltrans opened most roads and the Sheriff responded with snow cats and resources and even had to help the crew and staff at the local reception center, as they were trapped. San Bernardino County Fire had multiple families

at several firehouses and provided shelter to many, as the people were trapped and displaced. The new Fire Chief Dan Munsey actually helped Southern California Edison (SCE) with providing several cords of wood, dump trucks, and camp crews to supply local residents with firewood, as many were without heat. The power was out in many areas of the mountain communities and SCE requested aid throughout the weekend and was

helped at all angles and received areas to stage equipment and respond from and even priority road clearances by County Special Districts and Caltrans as well as County Public Works. The response was successful, as the county plans for these disasters, has handled them in the past and also trains and works well with all stakeholders.



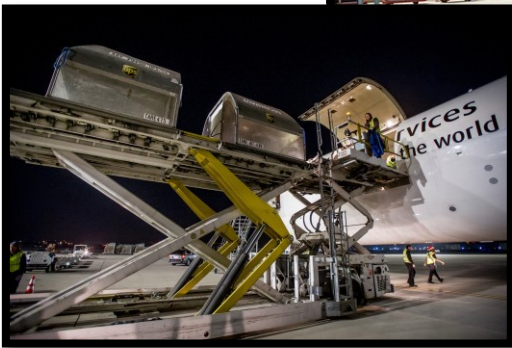
CalOES Visits Airports in San Bernardino County

Contact: John Ferdon

The California Governor’s Office of Emergency Services (CalOES) Logistics Branch recently partnered with San Bernardino County Fire, Office of Emergency Services (County OES) to reach out to key airports within the county to explore the possibility of forward deploying certain disaster logistics packages as part of pre-deployment strategy.

After completing site surveys and meetings with airport officials, the CalOES Logistics Team are preparing a final report and recommendations. Once completed, County OES

will coordinate with the Logistics Team to assist in completing the deployments.



Top: FedEx Express services . Photo credit, CargoNewsWire.com, July 2018

Right: UPS services. Photo credit, AirCargoWeek.com, November 2017

California For All

Contact: John Ferdon

A new year and a new name, but still the same wonderful opportunities for the residents of San Bernardino County, the Commu-

nity Emergency Response Teams (CERT) and LISTOS programs. The California for All Grant Program has been re-branded the LISTOS California Grant Program by the Office of the Governor of California.

The rebranding does not affect our outreach efforts or grant awards, which are being utilized to acquire new equipment and materi-

als to benefit our communities. San Bernardino County was awarded two grants, one a targeted grant and one a CERT/LISTOS Capacity Building Grant. As part of these grants, County OES and our County Partners will have new tools to leverage preparedness messaging to the whole community. Make sure to look for us at various community events coming to a neighborhood near you!

Run. Hide. Fight

Contact: David Davis

Surviving an Active Threat: Run. Hide. Fight, or PER 375, aims to train non-traditional first responders, including civilian employees, students, faculty, staff, patrons, and any other person who lives, works, or visits any location where an active shooter incident may occur. The course focuses on the various components of the Run. Hide. Fight. Response paradigm, which is widely accepted and taught as one of the primary response paradigms regarding active shooter incidents. Participants learned about the ways in which the Run. Hide. Fight. Response paradigm can



be applied in any active shooter incident, regardless of the location or other factors involved.

During the course, participants discussed the three primary tenets of the response paradigm, evaluate how the paradigm can be incorporated into existing building emergen-

cy action plans, complete a practical exercise in which they demonstrate the response options, and become familiar with notable case studies in which the response options were either implemented or could have been implemented to prevent or mitigate the attack. The class showed the students barricade techniques that were useful as well.

The Lowdown on Listos

Contact: Michael A. Ramirez and Irma Herrera

Congratulations to our San Bernardino County Fire, Office of Emergency Services (County OES) Listos Instructors Irma Herrera, Oscar Limón, and Cindy Torres who were selected to be part of the inaugural cadre of Listos State Master Trainers. Master Trainers have the ability to teach Listos Train-the-Trainer (TTT) courses and equip others to teach Listos in their own communities. These Master Trainers are excited to share their extensive knowledge and train instructors throughout the State of California.

On January 18, 2020, the County OES Listos Instructor Team conducted an eight-hour Listos Course for the El Sol Neighborhood

Educational Center (El Sol) Staff. El Sol is a fellow recipient of the Listos - California For All Grant (County OES is a recipient of the Target County and CERT Capacity Building Grants). Grant funds are provided to increase preparedness among vulnerable populations in California. Graduates from this class then attended a State-sponsored Listos TTT hosted by the City of Chino on January 24-26, 2020. El Sol Instructors are now better equipped to prepare vulnerable populations throughout San Bernardino County.

For more information on how you can bring Listos to your community, contact Supervising Emergency Services Officer, Michael A. Ramirez.



Master Trainers Oscar Limon, Irma Herrera and Cindy Torres



El Sol Listos Class